

REMARKS

Entry of the above amendments is earnestly solicited. An early and favorable first action on the merits is earnestly requested.

Should there be any matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

Attached hereto is a marked-up version of the changes made to the abstract by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

Respectfully submitted,

YOUNG & THOMPSON



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Attachments

VERSION WITH MARKINGS TO SHOW CHANGES MADEIN THE ABSTRACT OF THE DISCLOSURE:

The Abstract of the Disclosure has been amended as follows:

ABSTRACT OF THE DISCLOSUREISOLATING POWER SUPPLY

An isolating power supply for electrical equipment comprises a transformer having an input for a mains alternating current (AC) power supply, a rectifier ~~by which the output of the transformer can be rectified,~~ and a primary energy storage device for electrically smoothing the output of the rectifier. A switching device ~~is provided which is~~ electrically connected to the output of the primary energy storage device ~~and which can be switched is~~ switchable between a conducting state and a non-conducting ~~state, and a state.~~ A secondary energy storage device ~~is also provided which is~~ electrically connected to the switching device. ~~In use,~~ When the switching device is in a non-conducting state, the primary energy storage device stores ~~the~~ output from the rectifier and the secondary energy storage device is electrically isolated from the primary energy storage device and supplies an electrical output to associated electrical equipment. When the switching device is in a conducting state, the primary and secondary energy storage devices are electrically connected and the secondary energy storage device stores ~~the~~ output from the primary energy

storage device. Preferably, the switching device is a power MOSFET switching device.

## ABSTRACT OF THE DISCLOSURE

An isolating power supply for electrical equipment comprises a transformer having an input for a mains alternating current (AC) power supply, a rectifier, and a primary energy storage device for electrically smoothing the output of the rectifier. A switching device is electrically connected to the output of the primary energy storage device and is switchable between a conducting state and a non-conducting state. A secondary energy storage device is electrically connected to the switching device. When the switching device is in a non-conducting state, the primary energy storage device stores output from the rectifier and the secondary energy storage device is electrically isolated from the primary energy storage device and supplies an electrical output to associated electrical equipment. When the switching device is in a conducting state, the primary and secondary energy storage devices are electrically connected and the secondary energy storage device stores output from the primary energy storage device.